

Assignment 5 : Q1: Report

Question 1 Shape analysis on simulated shape

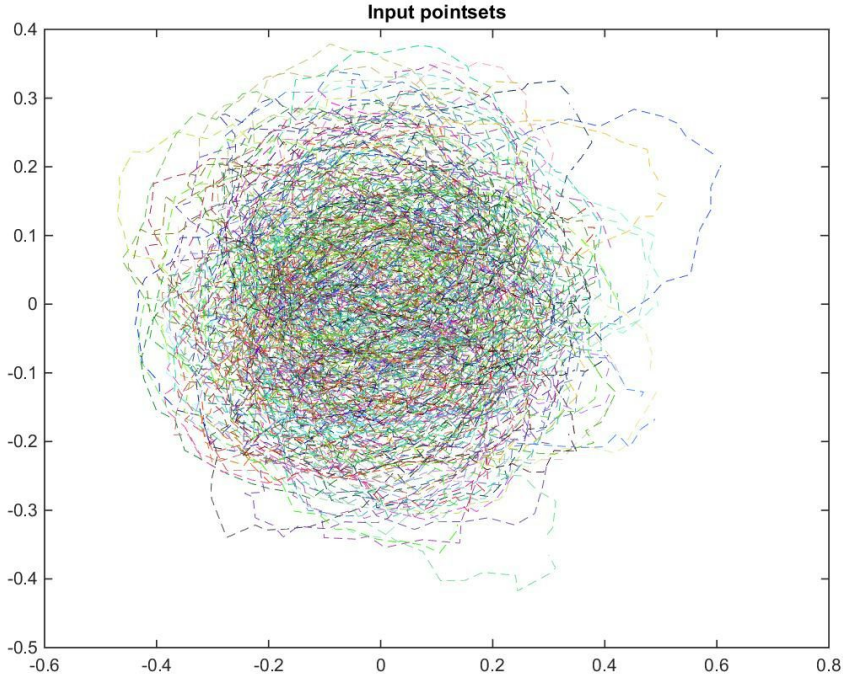
Part a,b,c

All required codes are present in 'code' folder of assignment.

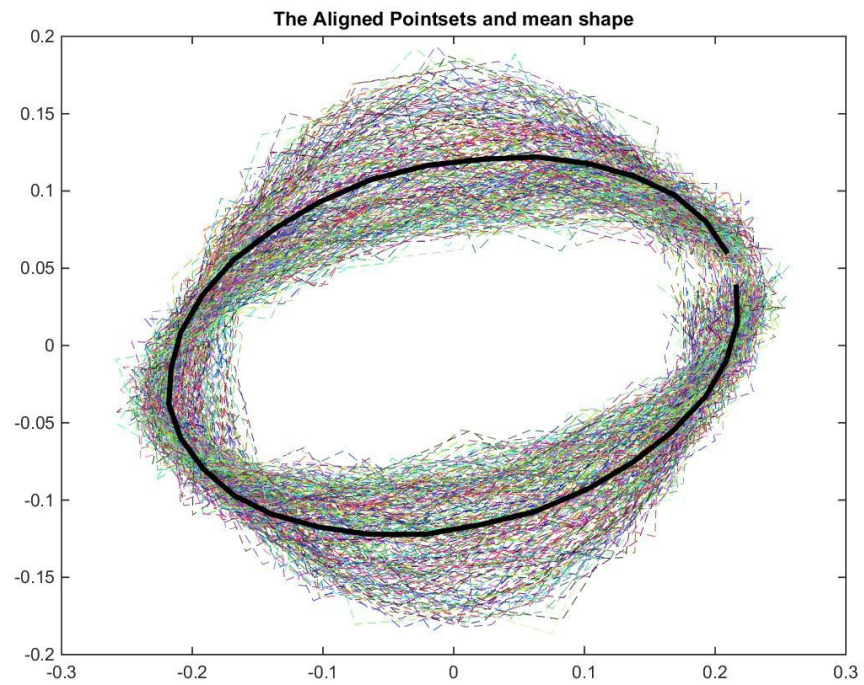
Reporting

Part a,b,c,d

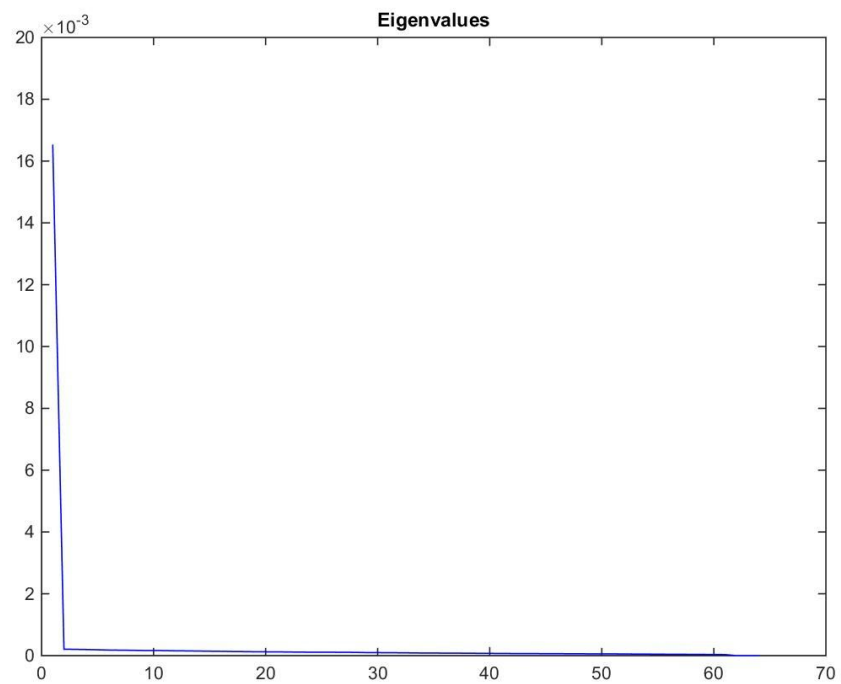
Images of corresponding subpart are given below

Description	Specific
a) Input Pointset	

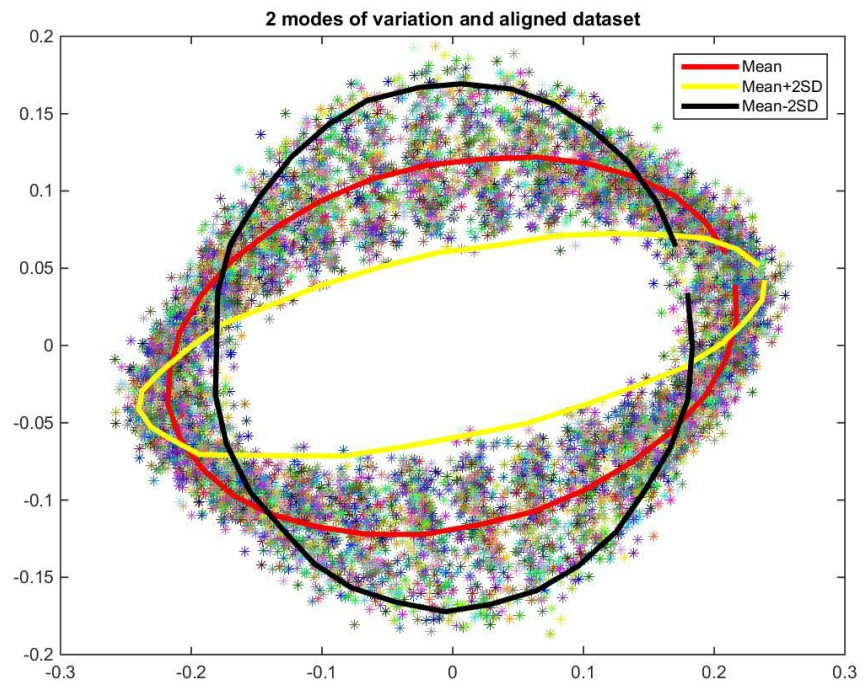
b) Shape mean with aligned pointset



c) Plot of Eigenvalues, x-axis indicate principal mode of variation from 1 to 64, while y-axis denote eigenvalue for corresponding mode.



d) Principal mode of shape variation, middle one (Red) is mean.



Disclaimer

All the images and corresponding plots in high resolution can be found in 'images' folder of question 1.